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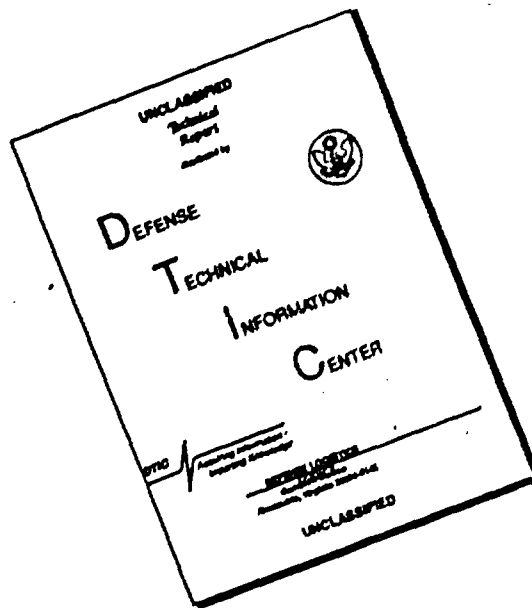
SCIENTIFIC AND TECHNICAL INFORMATION

CAMERON STATION, ALEXANDRIA, VIRGINIA



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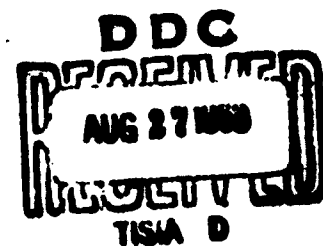
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BOEING



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SEATTLE, WASHINGTON

THE BOEING COMPANY

NUMBER D2-10889-2, Vol. 53 MS36

UNCLASSIFIED TITLE ACCEPTANCE SUMMARY REPORT FOR FIM 43 EQUIPMENT
COVERED BY THE FOLLOWING MODEL SPECS: S-133-1000-1-4, S-133-1000-1-5,
S-133-1000-1-16, S-133-1000-1-17, S-133-1000-1-18, S-133-1000-1-19,
S-133-1000-1-20

MODEL NO. MS 133A CONTRACT NO. AFOS(647)-289

ISSUE NO. ISSUED TO

CLASSIFIED TITLE None
(STATE CLASSIFICATION)

CHANGE NUMBER

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CLASS & DISTR

APPROVED BY

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N/R

(SAVE)

VOL. 53
SEC. 1

NO D2-10889-2
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CERTIFICATION FORMS

REVISED

1-1-60

BOEING

SEC 1

02-1089-2
PAGE 3

CERTIFICATION OF EQUIPMENT COMPLETION

The undersigned, being Chairman of the AFBSD, WS-133A Acceptance Team, certifies the following:

1. The equipment described below is complete to the extent indicated in D2-10889-2, Volume 53.
2. The equipment is suitable for shipment to the location described below, under the jurisdiction of the Boeing Company for future test and/or work as required to satisfy the contract specified below.

Equipment Part No. Equipment Serial No. M36
Equipment Nomenclature
Destination BATC Contract Affected AFOM(647)-239
T/S Authorization Voucher No.

Equipment part numbers, nomenclature and T/S Authorization Voucher Numbers are defined in D2-10889-2, Volume 53, Pages 7 thru 15.

AFBSD ACCEPTANCE TEAM
CHAIRMAN

31 Jul 63
DATE

BOEING 53 D2-10889-2
SEC 1 DATE 4


THE BOEING COMPANY AND
SPACE TECHNOLOGY LABORATORIES
TECHNICAL CERTIFICATION

The undersigned have reviewed the Engineering data on the equipment listed on pages 7 thru 15 and certify the following:

1. The equipment is technically adequate to perform its intended functions.
2. The equipment meets all of the specifications and requirements of the Model Specifications described below with the exception of the waivers and deviations as noted.

MODEL SPEC WITH R&D ADDENDUM	DATE	APPROVED SCMS	WAIVERS & DEVIATIONS D2-10889-2, Vol. 33
*S-133-1000-1-4	5-1-62	None	Page 17
*S-133-1000-1-5	5-1-62	None	Page 18
S-133-1000-1-16	8-1-62	None	Page 19
S-133-1000-1-17	8-1-62	SCN 1	Page 20
S-133-1000-1-18	8-1-62	SCN 1	Page 21
S-133-1000-1-19	8-1-62	SCN 1	Page 22
S-133-1000-1-20	8-24-62	SCN 1	Page 23

The equipment covered by these Model Specs is shipped directly from the vendor to BATC.


Engineering Representative ⁷⁻³¹⁻⁶³
for The Boeing Company

NOT REPRESENTED

Representative for
Space Technology Laboratories

AIR FORCE QUALITY CONTROL AND THE BOEING COMPANY QUALITY CONTROL
CERTIFICATION OF EQUIPMENT READY FOR ACCEPTANCE TEST

Equipment

Serial No.

Nomenclature



F4U 436



The undersigned has reviewed the equipment and its associated records:

1. Visual and physical inspection of equipment

- | | |
|--|---------------------------|
| A. Finish Satisfactory | Yes <u>X</u> No <u> </u> |
| B. Workmanship Satisfactory | Yes <u>X</u> No <u> </u> |
| C. Freedom from Damage | Yes <u>X</u> No <u> </u> |
| D. Installation Complete Except as Noted on Contractor's Shortage and/or Incomplete List | Yes <u>X</u> No <u> </u> |
| E. Authorization for Shortage or Incompletes Noted in Item "D" has been received. | Yes <u>X</u> No <u> </u> |

2. Specification and Drawing Status

- | | |
|---|---------------------------|
| A. All applicable Specs have been complied with except as noted on Contractor's request for waiver or deviation list. | Yes <u>X</u> No <u> </u> |
| B. All document and specs have been approved by AFHQ, or waivers obtained | Yes <u>X</u> No <u> </u> |

- | | |
|---|---------------------------|
| 3. BAC Acceptance Tags (BAC Form 5124) have been properly validated and affixed to the equipment. | Yes <u>X</u> No <u> </u> |
|---|---------------------------|

Signature Joe S. Peha 7/31/63
Name (Print) JOE S. PEHA

Boeing Company
Quality Control Representative

Seattle, Washington

Signature L. Branchini 7/31/63
Name (Print) L. Branchini

Air Force Quality Control
Air Force Plant Representative
Office


Boeing Company
Seattle, Washington

Equipment part numbers and nomenclature are defined in 72-10889-2, Volume 33 .
Page 7 through 15.

EQUIPMENT
IDENTIFICATION

REVISED _____
US 1000 2000

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EQUIPMENT IDENTIFICATION

FIM SERIAL NO. FIM 436

MODEL SPECIFICATION S-133-1000-1-4 (D2-12293)

THIS AUTHORIZATION VOUCHER NO. ▶

<u>QUANTITY</u>	<u>PART NUMBER</u>	<u>NOMENCLATURE</u>
2	7025-6 Universal Match Company Number 18-20436 (Ref.)	Safety and Arming Device Guided Missile, Body Section

▶ Parts shipped directly from Universal Match Company to AMR.

EQUIPMENT IDENTIFICATION

FTM SERIAL NO. FTM 436

MODEL SPECIFICATION S-133-1000-1-5 (D2-12294)

T/O IDENTIFICATION VOUCHER NO. ▶

<u>QUANTITY</u>	<u>PART NUMBER</u>	<u>NOMENCLATURE</u>
INTERSTAGE II-III		
1 (10-20451-5)	995-5251	Detonator Assembly
1 (10-20451-1)	0390-1718	Linear Explosive Assembly
1 (10-20451-3)	0390-1727	Linear Explosive Assembly
4 (10-20870-21)	31-115-4858-8	Explosive Assembly
1 (10-20870-18)	31-115-4951-2	Explosive Booster
2 (10-20870-30)	31-115-5969-1	Booster Assembly, Delay 1 Second
1	25-25218-15	Safe and Arm Mechanism Assembly
INTERSTAGE I-II		
1 (10-20451-5)	995-5251	Detonator Assembly
1 (10-20451-2)	0390-1719	Linear Explosive Assembly
1 (10-20451-4)	995-4999	Linear Explosive Assembly
4 (10-20870-20)	31-115-4858-7	Explosive Assembly
1 (10-20870-18)	31-115-4951-2	Explosive Booster
2 (10-20870-26)	31-115-4850-2	Booster Assembly, Delay 20 Seconds
1	25-25218-16	Safe and Arm Mechanism Assembly

▶ These parts are shipped directly from Universal Match Company to AMU.

EQUIPMENT IDENTIFICATION

PTM SERIAL NO. PTM 436

MODEL SPECIFICATION S-133-1000-1-16 (D2-14267)

T/S AUTHORIZATION VOUCHER NO. ▷

<u>QUANTITY</u>	<u>PART NUMBER</u>	<u>NOMENCLATURE</u>
1	25-33938-91	Skirt Assembly-Insulated Stage I Section 49

▷ Included as part of T/S Authorization Voucher No. EU/12/63 on the completed missile Section.

EQUIPMENT IDENTIFICATION

FTM SERIAL NO. FTM 436
 MODEL SPECIFICATION S-133-1000-17 (D2-14268)
 T/S AUTHORIZATION VOUCHER NO. ▶

QUANTITY	PART NUMBER	NOMENCLATURE
1	25-31011-19	Interstage Assembly Insulated, Interstage I-II Section 47

▶ Included as part of T/S Authorization Voucher No. EV/2462 on the completed Missile Section.

EQUIPMENT IDENTIFICATION

FTM SERIAL NO. FTM 436

MODEL IDENTIFICATION S-133-1000-1-18 (D2-14269)

T/S AUTHORIZATION VOUCHER NO. ▶

<u>QUANTITY</u>	<u>PART NUMBER</u>	<u>NOMENCLATURE</u>
1	25-23207-34	Interstage Assembly Insulated, Interstage II-III, Section 45

▶ Included as part of T/S Authorization Voucher No. EV12161 on the completed Missile Section.

EQUIPMENT IDENTIFICATION

FTM SERIAL NO. FTM 436

MODEL SPECIFICATION S-133-1000-1-19 (D2-14323)

T/S AUTHORIZATION VOUCHER NO. ▶

<u>QUANTITY</u>	<u>PART NUMBER</u>	<u>NOMENCLATURE</u>
1	25-36644-2	Base Heat Reflector Assy. 1st Stage
1	25-36645-5	Base Heat Reflector Assy. 2nd Stage
1	25-36646-2	Base Heat Reflector Assy. 3rd Stage

▶ Parts will be shipped as completed.

EQUIPMENT IDENTIFICATION

FTM SERIAL NO. FTM 436MODEL SPECIFICATION S-133-1000-1-20 (D2-14319)T/S AUTHORIZATION VOUCHER NO. 

QUANTITY	PART NUMBER	NOMENCLATURE
1	25-25874-158	Cover, Assy. of
2	25-25874-169	Cover, Assy. of
1	25-25874-196	Cover, Assy. of
1	25-25874-173	Cover R/W Stage I Engine
2	25-25874-174	Cover R/W Stage I Engine
1	25-25874-166	Cover, Assy. of
1	25-25874-171	Cover, Assy. of
1	25-25874-194	Cover, Assy. of
1	25-25991-4	Cap, Assy. of
1	25-25992-7	Cap, Assy. of
1	25-26070-12	Cap, Assy. of
1	25-26851-17	Cap, Assy. of
1	25-27129-17	Cap, Assy. of
1	25-30100-56	Cover R/W 1-2 Interstage (Aft.)
1	25-30101-133	Cover R/W Stage II
1	25-30101-223	Cover R/W Stage II
1	25-30102-802	Cover R/W Stage 2-3 Interstage (Aft.)
1	25-30103-61	Cover R/W Stage III
1	25-31024-14	Cap R/W Stage III
1	25-32747-8	Beam & Cover 2-3 Interstage (Pod)
1	25-32748-8	Beam & Cover 1-2 Interstage (Pod)
1	25-35416-36	Cover R/W Stage I Engine
1	25-31463-10	Cap, R/W Stage I Engine
1	25-31463-11	Cap, R/W Stage I Engine

 Parts will be shipped as completed.

SHORT G 11

SEPARATE SHIPMENT

1. 7025-6 (10-20436-5) AIM/DISARM mechanism. This is shipped direct from Universal Match Company to BATC.
2. Stage separation and skirt removal ordinance equipment as noted on page 9, Vol. 53 D2-10889-2. They are shipped direct from vendor to BATC.
3. Race-way caps and covers as noted on page 14, Vol. 53 D2-10889-2. They are shipped on separate T/S Authorization Voucher No. to BATC.
4. Base heat deflectors as noted on page 13, Vol. 53 D2-10889-2. To be shipped on separate T/S Authorization Voucher to BATC.

SHIP-SHORT ITEMS

None

7-31-63
[Signature]
System Test Engineering
Acknowledgement of
Configuration Status

NO D2-10889-2
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Sec. 1

WAIVERS AND DEVIATIONS

ENGINEERING WAIVERS

AND DEVIATIONS

This requirements for Design and Construction, Performance and Quality Assurance Provisions for the equipment identified in this report are established by the following composite:

**Model Specification Safety and Arming Devices,
Guided Missile, Body Section BWU-11/A37U-12,
(S-133-1000-1-4).**

**BED Minuteman Specification Control Group
Directive, dated 11 July 1962, transmitted
by BED letter BSQAF-13-7-90/G. Humphrey,
dated 13 July 1962.**

**Deviation for the above requirements are not necessary
for this equipment.**

ENGINEERING WAIVERS

AND DEVIATIONS

The requirements for Design and Construction, Performance and Quality Assurance Provisions for the equipment identified in this report are established by the following composite:

Model Specification, Explosive Kit, Stage Separation, Missile MLU-19/A37U-12 and MLU-20/A37U-12, (S-133-1000-1-5) dated 5-1-62.

BSD Minuteman Specification Control Group Directive dated 10 July 1962 transmitted by BSD letter BSQAP-10-7-69/C. Humphrey, dated 10 July 1962.

Deviation for the above requirements are not necessary for this equipment.

6

ENGINEERING WAIVERS

AND DEVIATIONS

The requirements for Design and Construction Performance and Quality Assurance Provisions for the equipment identified in this report are established by the following composite:

Model Specifications for Body Section, Guided Missile (S-133-1000-1-16), D2-14267, dated 12-14-62, approved by BSD letter BSQAP-3-5-22/C. Humphrey/8243, dated 3 May 1963.

R&D Variations in Guided Missile Body Section (S-133-1000-1-16, Addendum 1), D2-14267-1, dated 8-1-62, submitted to BSD by Boeing letter 2-6210-20-156, dated 8-22-62, and approved by BSD letter BSQAP-17-9-77/C. Humphrey/4443, dated 9-17-62.

Deviations from the above requirements are not necessary for this equipment.

ENGINEERING WAIVERS

AND DEVIATIONS

The requirements for Design and Construction, Performance and Quality Assurance Provisions for the equipment identified in this report are established by the following composite:

Model Specification for Body Section, Guided Missile (8-133-1000-1-17), D2-14268, dated 12-14-62, approved by BSD letter BSQAP-3-5-82/C. Humphrey/8243, dated 3 May 1963.

R&D Variations in Guided Missile Body Section (8-133-1000-1-17, Addendum 1), D2-14268-1, dated 8-1-62, submitted to BSD by Boeing letter 2-6210-20-158, dated 8-21-62, and approved by BSD letter BSQAP-17-9-57/C. Humphrey/4443, dated 9-17-62.

Deviations from the above requirements are not necessary for this equipment.

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ENGINEERING WAIVERS

AND DEVIATIONS

The requirements for Design and Construction, Performance and Quality Assurance Provisions for the equipment identified in this report are established by the following composite:

Model Specification for Body Section, Guided Missile (S-133-1000-1-18), D2-14269, dated 12-14-62, approved by BSD letter BSQAP-3-5-22/C. Humphrey/8243, dated 3 May 1963.

R&D Variations in Guided Missile Body Section (S-133-1000-1-18, Addendum 1), D2-14269-1, dated 8-1-62, submitted to BSD by Boeing letter 2-6210-20-160, dated 8-21-62 and approved by BSD letter BSQAP-17-9-57/C. Humphrey/4443 dated 9-17-62.

Deviations from the above requirements are not necessary for this equipment.

ENGINEERING WAIVERS

AND DEVIATIONS

The requirements for Design and Construction, Performance and Quality Assurance Provisions for the equipment identified in this report are established by the following composite:

Model Specification for Deflectors, Rocket Motor Exhaust (S-133-1000-1-19), D2-14323, dated 1 March 1963.

Addendum 1 to D2-14323 (including ECN's) R&D configurations for Deflectors, Rocket Motor Exhaust (S-133-1000-1-19), dated 1 August 1962.

Deviations from the above requirements are not necessary for this equipment.



ENGINEERING WAIVERS

AND DEVIATIONS

The requirements for Design and Construction, Performance and Quality Assurance Provisions for the equipment identified in this report are established by the following composite:

Model Specification for Conduit Support Set
Raceway, S-133-1000-1-20 (D2-14319) dated
1 March 1963.

Addendum 1 to D2-14319 (including SON's), R&D
configurations, for Conduit Support Set, Raceway
(S-133-1000-1-20) dated 1 March 1963.

Deviations from the above requirements are not necessary
for this equipment.